

**ABSTRACT OF THE DISCLOSURE**

The invention is directed to purified and isolated human polypeptides having kinase function, the nucleic acids encoding such polypeptides, processes for production of recombinant forms of such polypeptides, antibodies generated against these polypeptides, fragmented peptides derived from these polypeptides, the use of such polypeptides and fragmented peptides in phosphorylation reactions and as molecular weight markers, the use of such polypeptides and fragmented peptides as controls for peptide fragmentation, the use of such polypeptides in screening assays, and kits comprising these reagents.

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